

# Fast Flux Test Facility (FFTF) Project (RL-0042)

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**Newly manufactured  
casks arrive at the Fast  
Flux Text Facility**



## Overview

This section addresses work in Project Baseline Summary RL-0042, *Nuclear Facility Deactivation and Decommissioning, Fast Flux Test Facility Project*.

NOTE: Unless otherwise noted, all information contained herein is as of the end of October 2004.

## Notable Accomplishments

**Fuel Offload:** The first of 22 new Interim Storage Casks (ISCs) being fabricated by Transnuclear, Inc., was delivered to the Fast Flux Test Facility (FFTF) on October 13, 2004. This ISC was then loaded and shipped from the FFTF to the 200 Area Interim Storage Area the following week. These casks will be used to store all the remaining spent nuclear fuel from FFTF.

**Primary Sodium Drain:** Phase two of the primary sodium drain has been completed. Approximately 20,600 gallons of sodium were drained from the primary systems and transferred to the Sodium Storage Facility (SSF). Approximately 60 percent of the original FFTF sodium inventory (260,000 gallons) has now been transferred to the SSF. Phase three will drain all remaining sodium from the reactor vessel. Long-lead activities for phase three continue.

**Fuel Storage Facility (FSF) Sodium Drain:** The FSF sodium draining effort has begun. Two tanks removed from the Closed Loop Module will be used to build a system allowing a series of vacuum/pressure transfers from FSF to the SSF. Detailed design of the required equipment and preparation of the drain procedure are in progress.

## Anticipated FY 2005 FH Funds (\$M)

	FY 2005 Anticipated Funding w/Carryover
Nuclear Facility D&D, FFTF Project	\$ 46.4

## FY 2005 Schedule/Cost Performance (\$M)

	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
Nuclear Facility D&D, FFTF Project	\$4.8	\$2.5	\$1.8	-\$2.2	-46.9%	\$0.7	28.1%	\$44.2

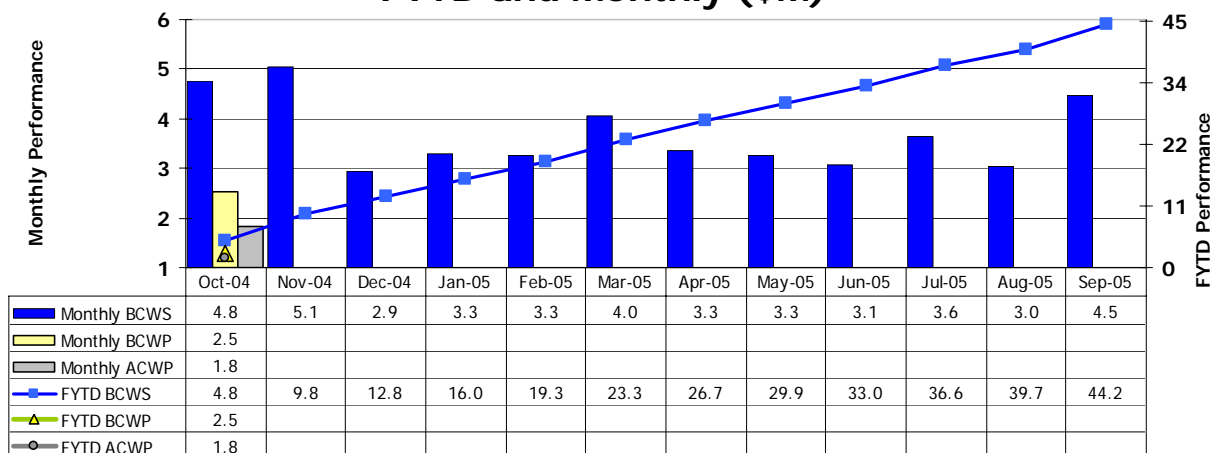
Numbers are rounded to the nearest \$M.

**Schedule Performance (-\$2.2M/-46.9%):** The schedule variance is an artificial variance due to the ISC procurement being budgeted in October and November to clearly identify the timing of needed funds; the fabrication will actually occur from December until the end of the fiscal year.

**Cost Performance (+\$0.7M/+28.1%):** The cost variance is due to deferral of Bonneville Power Administration electrical cost to November and to an ISC procurement cost accrual omission.

## FY 2005 Schedule/Cost Performance (Continued)

### Performance Analysis FYTD and Monthly (\$M)



### Milestone Achievement

Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status/Comments
RL42-1b	Perform additional risk reduction at the FFTF by completing selected reactor sodium and sodium-potassium alloy drain activities	PI	Prior to FFTF contract transition	8/18/04		Complete
RL42-1a2	Complete loading and transferring five additional ISCs	PI	8/31/04	8/20/04		Complete
RL42-1a3	Complete loading and transferring ten additional ISCs	PI	3/31/05		3/31/05	On Schedule